

DPW 3008 JAN 29 1982 AC&amp;S

Adhesive

MAR 21 1980

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <b>3M COMPANY</b>		EMERGENCY TELEPHONE NO. <b>(612) 733-1110</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>3M CENTER, ST. PAUL, MINNESOTA 55101</b>		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS <b>SCOTCHWELD Brand Structural Adhesive</b>
CHEMICAL FAMILY	FORMULA <b>EC-2186</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Bisphenol epoxy resin (SPI Class 4)				~ 68	None
Phenyl glycidyl ether				< 3	10ppm
Polyglycol diepoxide resin (SPI Class 2)				< 7	None

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N.A.	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.15
VAPOR PRESSURE (mm Hg.) @ 77°F	<1.0	PERCENT VOLATILE BY VOLUME (%)	0
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____=1)	N.A.
SOLUBILITY IN WATER	Nil		
APPEARANCE AND ODOR			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (Method used)	( > 230 <sup>0</sup> F (TOC)	FLAMMABLE LIMITS			
EXTINGUISHING MEDIA	Water spray, foam, CO <sub>2</sub>				
SPECIAL FIRE FIGHTING PROCEDURES	None				
UNUSUAL FIRE AND EXPLOSION HAZARDS	None				

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II.

EFFECTS OF OVEREXPOSURE  
May be irritating to the skin and eyes. Prolonged or repeated skin contact may cause sensitization in certain individuals.EMERGENCY AND FIRST AID PROCEDURES  
EYE Contact: Flush eyes with plenty of water. Call a physician.

SKIN Contact: Immediately wash with soap and water.

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE	X	CONDITIONS TO AVOID Temperatures above 100°F
	STABLE		

INCOMPATIBILITY (Materials to avoid)  
Strong oxidizing agents.HAZARDOUS DECOMPOSITION PRODUCTS  
CO, CO<sub>2</sub>, aldehydes and other organics.

HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID Elevated temperatures in storage.
	WILL NOT OCCUR		

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
Scrape up material before resin cures. Place in a container and hold for disposal.WASTE DISPOSAL METHOD  
Incinerate properly in accordance with local regulations.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION LOCAL EXHAUST

SPECIAL

MECHANICAL (General)

Acceptable

OTHER

PROTECTIVE GLOVES

Rubber gloves

EYE PROTECTION

Safety glasses

OTHER PROTECTIVE EQUIPMENT

As required to prevent skin contact.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  
Store at 40°F or lower. Avoid contact with eyes and skin. Avoid breathing fumes during cure cycle. Launder contaminated clothing before reuse. Allow product toOTHER PRECAUTIONS  
return to room temperature before using. Do not heat product in container.